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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

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Application Number	10/522106		
Filing Date	January 24, 2005		
First Named Inventor	Karl-Heinz Kogel		
Art Unit	N/A		
Examiner Name	Not Yet Assigned		
Attorney Docket Number	12810-00067-US		
Sheet	1	of	2

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
/M.I.	BA	WO-98/04586	02-05-1998	John Innes Centre Innovations Limited		
/M.I.	BB	WO-99/47552	09-23-1999	Novartis AG, et al.		
/M.I.	BC	WO-00/1722	01-13-2000	Pioneer Hi-Bred International, Inc.		

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## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T*
/M.I.	CA	Torres, M., et al., "Arabidopsis gp91 phox homologues AtroboD and AtroboF are required for accumulation of reactive oxygen intermediates in the plant defense response", Proceedings of the National Academy of Sciences of the U.S., Vol. 99, No. 1, January 8, 2002, pp. 517-522.				
/M.I.	CB	Hückelhoven, R., et al., "Tissue-Specific Superoxide Generation at Interaction Sites in Resistant and Susceptible Near-isogenic Barley Lines Attacked by the Powdery Mildew Fungus ( <i>Erysiphe graminis</i> f. sp. <i>hordei</i> )", Molecular Plant-Microbe Interactions, Vol. 11, No. 4, 1998, pp. 292-300.				
/M.I.	CC	Sagi, M., et al., "Superoxide Production by Plant Homologues of the gp91phox NADPH Oxidase: Modulation of Activity by Calcium and by Tobacco Mosaic Virus Infection", Plant Physiology, Vol. 126, July 2001, pp. 1281-1290.				
/M.I.	CD	Bolwell, G. Paul, et al., "The apoplastic oxidative burst in response to biotic stress in plants: a three-component system", Journal of Experimental Botany, Vol. 53, No. 372, May 2002, pp. 1367-1376.				
/M.I.	CE	Hückelhoven, R., et al., "Functional Studies on the Role of Reactive Oxygen Intermediates in the Resistance of Barley against Powdery Mildew", Plant Protection Science, Vol. 38, No. 2, 2002, pp. 458-460.				
/M.I.	CF	Borden, S., et al., "Hydrogen peroxide plays a critical role in the defence response of tomato to <i>Cladosporium fulvum</i> ", Physiological and Molecular Plant Pathology, Vol. 61, 2002, pp. 227-236.				
/M.I.	CG	Malahingam, R., et al., "Stress response, cell death and signalling: the many faces of reactive oxygen species", Physiologia Plantarum, Vol. 119, 2003, pp. 56-68.				
/M.I.	CH	Büsches, R., et al., "The Barley <i>Mlo</i> Gene: A Novel Control Element of Plant Pathogen Resistance", Cell, Vol. 88, March 7, 1997, pp. 695-705.				
/M.I.	CI	Jørgensen, J. Helms, "Spectrum of Resistance Conferred by <i>MLO</i> Powdery Mildew				

Examiner Signature	/Medina Ibrahim/	Date Considered	09/03/2009
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>	
/M.I./	CJ Resistance Genes in Barley", <i>Euphytica</i> , Vol. 26, 1977, pp. 55-62.
/M.I./	CJ Lyngkjær, M.F., et al., "A Japanese powdery mildew isolate with exceptionally large infection efficiency on Mlo-resistant barley", <i>Plant Pathology</i> , Vol. 44, 1995, pp. 786-790.
/M.I./	CK Schulz-Lefert, P., et al., "Closing the ranks to attack by powdery mildew", <i>Trends Plant Science</i> , Vol. 5, No. 8, August 2000, pp. 343-348.
/M.I./	CL Wolter, M., et al., "The mlo resistance alleles to powdery mildew infection in barley trigger a developmentally controlled defence mimic phenotype", <i>Mol. Gen. Genet.</i> , Vol. 239, 1993, pp. 122-128.
/M.I./	CM Jarosch, B., et al., "The Ambivalence of the Barley Mlo Locus: Mutations Confering Resistance Against Powdery Mildew ( <i>Blumeria graminis</i> f. sp. <i>hordei</i> ) Enhance Susceptibility to the Rice Blast Fungus <i>Magnaporthe grisea</i> ", <i>Molecular Plant-Microbe Interactions</i> , Vol. 12, No. 6, 1999, pp. 508-514.
/M.I./	CN Lamb, C., et al., "The Oxidative Burst in Plant Disease Resistance", <i>Annu. Rev. Plant Physiol. Plant Mol. Biol.</i> , Vol. 48, 1997, pp. 251-275.
/M.I./	CO Schweizer, P., et al., "Double-stranded RNA interferes with gene function at the single-cell level in cereals", <i>The Plant Journal</i> , Vol. 24, No. 6, 2000, pp. 895-903.
/M.I./	CP Torres, M., et al., "Six <i>Arabidopsis thaliana</i> homologues of the human respiratory burst oxidase (gp91phox)", <i>The Plant Journal</i> , Vol. 14, No. 3, 1998, pp. 365-370.
/M.I./	CQ Yu, L., et al., "Functional Analysis of NADPH Oxidase in Granulocytic Cells Expressing a Δ 488-497 gp91phox Deletion Mutant", <i>Blood</i> , Vol. 94, No. 7, October 1, 1999, pp. 2497-2504.
/M.I./	CR Doke, N., "Involvement of superoxide anion generation in the hypersensitive response of potato tuber tissues to infection with an incompatible race of <i>Phytophthora infestans</i> and to the hyphal wall components", <i>Physiological Plant Pathology</i> , 1983, Vol. 23, pp. 345-357.
/M.I./	CS Levine, A., et al., "H <sub>2</sub> O <sub>2</sub> from the Oxidative Burst Orchestrates the Plant Hypersensitive Disease Resistance Response", <i>Cell</i> , Vol. 79, November 18, 1994, pp. 583-593.
/M.I./	CT Tenhaken, R., et al., "Function of the oxidative burst in hypersensitive disease resistance", <i>Proc. Natl. Acad. Sci., USA</i> , Vol. 92, May 1995, pp. 4158-4163.
/M.I./	CU Altschul, S., et al., "Gapped Blast and PSI-Blast: a new generation of protein database search programs", <i>Nucleic Acids Research</i> , Vol. 25, No. 17, 1997, pp. 3389-3402.
/M.I./	CV Kelster, P., et al., "Near-Isogenic Barley Lines with Genes for Resistance to Powdery Mildew", <i>Crop Science</i> , Vol. 26, September-October 1986, pp. 903-907.
/M.I./	CW Kumar, J., et al., "A Compromised Mlo Pathway Affects the Response of Barley to the Necrotrophic Fungus <i>Bipolaris sorokiniana</i> (Teleomorph: <i>Cochliobolus sativus</i> ) and Its Toxins", <i>Phytopathology</i> , Vol. 91, No. 2, 2001, pp. 127-133.

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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